ORM PTO-14	49								epartment of it and Trader		Atty. Doci P23801	set No.		Application No. 10/625,873			
OIPEN	FQF			BY.	APP	LIC	IN		•		Applicant Shigeo KI	GO et al					
SEP 2 8 2004	, CE	(U	se se	vera	l she	ets i	fnec	essa	1 y)		Filing Date July 24, 20			Group 2673			
2	9								U.S. PAT	ENT DOC	UMENTS					•	
XAMINER INITIAL		D	oci	ЛМЕ	NT	NUN	⁄BE	R	DATE	NA NA	ME	CLASS	SUB	CLASS	FILING DATE IF APPROPRIAT		
AA	-	5	6	5	4	7	2	8	08/05/97	KANAZA	WA et al.						
////		Ť															
		-			H												
			-		├		-			<u> </u>		 					
					\vdash	\vdash	_			 					<u> </u>		
				_	├					 		<u> </u>					
					-		-	_		 		-	-		-		
			\dashv	_	┝					<u> </u>					<u> </u>		
					<u> </u>			·		 		<u> </u>					
					<u> </u>					<u> </u>							
					<u> </u>	<u> </u>				 		 					
					_	Ŀ				<u> </u>			 				
							<u> </u>			<u> </u>							
													<u> </u>				
										<u> </u>							
									FOREIGN I	PATENT D	OCUMENT	rs ·					
															TRANSI		
		D	OCI	JMI	NT	NU	MBE	R	DATE	COU	NTRY	CLASS	SUB	CLASS	YES	N	
AA	3	•	-	8	3	2	1	1	08/09/91	JAPAN							
PT		0	2	6	. 1	5	8	4	03/30/88	E.P.O							
AX		0	2	3	5	8	1	0	0928/99	KOREA							
AN		3	3	6	4	0	6	6	10/25/02	JAPAN				•			
7.177					T												
				OTI	HER	DO	CUI	MEN	TS (Includ	ing Author.	Title, Date	Pertinent P	ages, E	tc.)			
		•	Ι	-													
		\vdash	\vdash						-		<u></u>					.	
	 	 	<u> </u>														
	_	 	 														
			1														

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DATE CONSIDERED

EXAMINER

P23801.P06 FORM PTO-1			-		_					Commerce	Atty. Do P23801	cket No.			tion No.	Sheet I
100										nark Office	Applican			0/625,	8/3	
Ö, EW	gg.	RMA V	TTO	N D BY	ISC:	LOS	URE ANT	STA	ATEMENT			IGO et al				
JSE 2 1 200		(U	se se	vera	l she	ets i	f nec	essa	ry)		Filing Da July 24,			roup 673		
TARGE WEEK									U.S. PAT	ENT DOC	UMENTS					
												T				DATE
INITIAL	_			1	·	אטא		_	DATE		ME	CLASS	SUBCLA	ASS	IF APPR	OPRIATE
M	<u> </u>	5	9	9	4	9	2	9	11/30/99	SANO et a	al.					
	<u> </u>	6	0	1	1	3	5	5	01/04/00	NAGAI						
	-	_	┢		H			H		 						
	-		\vdash	\vdash	⊢			\vdash								
	\vdash	┝	┢	├	┢	┢	⊢	\vdash				-				
			\vdash	├	┝╌	\vdash	-	-		 						
	-	├─	┝	┢	一	╫	 -	┢╾				-				
	-		 - - - - - - - - - -	╁╌	一	╁	-	-		-	_		<u> </u>			
			 	 	┢	\vdash	\vdash	\vdash		<u> </u>		<u> </u>	<u> </u>			
				\vdash		 	┢	1		-						
						<u> </u>			OREIGN I	ATENT DO	CUMEN	TS	<u> </u>			
			_												TRANS	LATION
		_	OCI	JME		NUN	/BE	R	DATE		NTRY	CLASS	SUBCLA	ASS	YES	NO
101	•	2	7	6	2	7	0	5	10/30/98	FREACH						
AT	.1	1	<u> -</u>	8	5	0	9	9	03/30/99	JAPAN						
MI	٠3	<u> -</u>	1	8	3	2	1	1	08/09/91	JAPAN						
M	1	0-	2	6	8	8	3	1	10/09/98	JAPAN						
1111/	Ŀ	0	2	6	1	5	8	4	03/30/98	E.P.O	<u> </u>					<u> </u>
	_		_	_	 		\vdash	 				 				
		-	_	-	-	-	\vdash	 		 						
	<u> </u>	L	<u> </u>	OTE	EP	DC:		(EN	TS (Include	na Author '	Title Deta	, Pertinent Pa	gas Fts.			<u> </u>
			·							 	Tiue, Date	, i erunent Pa	ges, etc.)			
	-	1 English Language Abstract of JP 11-85099.														

43/	ــــــــــــــــــــــــــــــــــــــ	<u> </u>	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
M		1	English Language Abstract of JP 11-85099.
141	/	2	English Language Abstract of JP 3-183211.
A)14	X	3	English Language Abstract of JP 10-268831.
			·
	$oxed{oxed}$		
·····			·

•EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

P2380	1	.P05
-------	---	------

U.S. Department of Commerce Form PTO-1449 Patent and Trademark Office

Serial No. Atty. Docket No. 10/625,873 P23801

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)

Applicant Shigen KIGO et al.

Filing Date July 24, 2003 Group Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		D	oc	UME	NT	טא	мв	ER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AT		5	8	2	8	3	5	3	10/27/98	KISHI et al.			
- fl)	Т	5	7	8	6	7	9	4	07/28/98	KISHI et al.			
M	H	6	3	6	6	0	6	3	04/02/02	SEKII			
AK	┝	6	١ 4	_	H	9	Н	6	09/10/02	CHENG			
470	-	ů		-	Ė	┝	2	9	11/30/99	SANO et al.			
M		5	9	9	4	'	4	Ľ.	11/30/37	State of the		<u> </u>	L

FOREIGN PATENT DOCUMENTS

		DO	oci	IME	NT	וטא	MBE	R	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATI YES	ON NO
Ass	3	•	1	8	3	2	1	ì	08/09/91	JAPAN				
/M		8	$\lceil \cdot \rceil$	2	3	2	4	2	01/23/96	JAPAN				
m	9		3	2	5	7	3	5	12/16/97	JAPAN				
m	0	•	2	6	8	8	3	1	10/09/98	JAPAN				
m		0	8	1	0	5	7	6	12/03/97	E.P.O.				
M	ī	-	2	6	1	9	2	3	10/18/89	JAPAN			X	
MA	7	·	7	6	0	2	ı	9	06/23/95	JAPAN		<u> </u>		
AA	5		3	1	5	9	1	3	11/26/93	JAPAN				
m	1	9		4	7	0	1	3	02/14/97	JAPAN			-1	
1AXI	1	2	7	6	2	7	0	5	10/30/98	FRENCH .				
- //								D D	CHAPNT	Uneluding Author, Title, Date, Per	tinent Pages.	Etc.)		

,,		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
M	1	English Language Abstract JP3-183211.
M	2	English Language Abstract JP8-23242.
AT	3	English Language Abstract JP10-268831.
m	4	English Language AbstractJP 1-261923.
AH	5	English Language Abstract JPS-315913.
AN	6	English Language Abstract JP9-47013.
	+	
	ᆛ	2/1/25

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

P23801.F	P11															SI	heet 1 of		
FORM PTO	D-1449					b.:	s. D Pate	epa nt a	rtment of Co and Tradema	ommerce ark Office		/. Doci 3801 _.	ket No.		Applica 10/625,	tion No. 873			
STP F	IN FORM	ATIO	ON B'	DIS(Y AF	CLC	SUF	RE S	TA [*]	TEMENT			olicant geo Ki	IGO et al.						
JUN 3 0	006 p) (Us	se se	eve	ral si	hee	s if r	nece	essa	ıry)	•		ng Dat / 24, 2			Group 2677				
TRADE	N. C.								U.S. PATER	NT DOCUM	ENTS								
EXAMINER INITIAL			DO	CUM	ENT	NUM	BER		DATE		NAME		CLASS	su	BCLASS	FILING DATE IF APPROPRIATE			
AA	·	4	8	6	6	3	4	9	09/12/89	WEBER	≀ et a	<u>l.</u>		+==					
AA	<u> </u>	6	3	3	3	7	3	8	12/25/01	IDE					_				
														ļ					
										ļ									
		ļ							-					 					
														}					
	-	-				-								╂					
														<u> </u>		·			
		\vdash	-		-					<u> </u>				<u> </u>					
		\vdash												- 					
		-	-			-										_			
					-														
					-							-							
									FOREIGN PAT	ENT DOCU	MENT	rs							
			DO	СПМІ	ENT	NUM	BER		DATE	cou	NTRY	,	CLASS	SUB	CLASS	TRANS YES	LATION NO		
AA	11	-	3	4	4	9	4	8	12/14/99	JAPAN					`	Х			
																			
· ·																			
		<u> </u>		0.	rucc	2000	CLIM	ENT	 S (Including A	uthor Title	Date	Porting	ant Pages Et	<u> </u>					
3.3	1	En	alie				_		t of JP 11-3			retuin					 		
AA	1		19113		iigu	age	7100		20101 110	11010.	<u>.</u>		<u> </u>				-		
		-																	
										-			-						
																•			
· · · · · · · · · · · · · · · · · · ·			-																
EXAMINE	/A	bba	s I	Abdu	ıls	elar	m/			DA	TE C	ONSI	DERED	07	/13/20	06			
									er or not cita le copy of th							ne through	h citation		

Р2	3	R	n	1	1	P	n	R	١.	d	^	^
		u	u	- 8	- 1		u	u		ч	u	•

Sheet I of I

FORM PT	D-1449		· · · · ·			U.	S. D Pate	epa nt a	irtment of Co	mmerce rk Office		Atty. Doc P23801	ket	No.		Applica 10/625	ation No ,873	
	INFOR	MAT				SUF		TĄ	TEMENT	CHONS		Applican Shigeo K		O et al				
	(Use	seve	ral s	heel	ts if	nece	ska	INDCT 187			Filing Da July 24,	te			Group 2677		
									V.S. Manel	DOCUM	E	NTS						
EXAMINER INITIAL		+	DO	CUM	ENT	NUM	BER		DATE	IAME	_	CLASS	su	BCLASS	FILING DATE S IF APPROPRIATE			
		+									_				-			
	-	\mp									_				_			
		#																
	-	-																
															-			
·								_										
		+													-			
		-													<u> </u>			
		1	_						<u> </u> FOREIGN PAT	ENT DOCL	JN	MENTS			1		I	
		Т												T				ISLATION
Ar	2	+				NUMI		_	DATE		_	ITRY	\vdash	LASS	SUB	CLASS	YES	NO
AT	7	-	1	6	9	7	7	9	01/31/90	JAPAN JAPAN	_		Ë				X	
		\bot																
		+		_							_	-	_					
1				01	THE	. DOC	LIME	NT:	S (Including Au	that Title		Tata Bortin	ent	Panas Eta				
	Т	T							(-	800, 200	~/			
		十						- -			_						-	
								•										
		+									_							
	+	┪									_							
EXAMINER			nay		A,	di		ريا	t			E CONSI			OI/	17/05	···	
*EXAMINE if not in con	R: Initial	if cit e an	ation d no	con t con	side Iside	ered, ered.	whe Inc	ethe clud	er or not citat e copy of thi	tion is in o s form wi	cc ith	onformand next con	æ v	vith MPE	P 609 to ap	; draw li plicant.	ne throu	gh citation